

DATE	REVISIONS	REV	DRAWING NUMBER	REV
			SSL-LX509F3AC	

  

$\varnothing 4.85 \text{ MAX. [0.191]}$   
 $8.60 \text{ MAX. [0.339]}$   
 $24.00 [0.946] \text{ MIN.}$   
 $1.50 \text{ MAX. [0.059]}$   
 $0.50 [0.020] \text{ SQ. (2 PL.)}$   
 $2.54 \text{ MAX. [0.100]}$

GREEN ANODE

ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$   $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		605 (AMBER)		nm	
FORWARD VOLTAGE		2.1	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		80		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		25		2x theta	
EMITTED COLOR	AMBER				
EPOXY LENS FINISH	WATER CLEAR				

  

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	110	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*  $t < 10\mu\text{s}$

**RELIABILITY NOTE**  
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

**LUMEX**  
OPTO COMPONENTS INC.

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DATE:	5-6-96	DWN:	CHK'D:	APPD:
SCALE:	N/A			

T-5 (T-1 3/4) FLANGELESS LED  
AMBER, WATER CLEAR LENS

PAGE 1 OF 1	DRAWING NUMBER SSL-LX509F3AC	REV
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# Mouser Electronics

Authorized Distributor

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